

App. No. 09/558,871

Art Unit 3762

P-8873.00

**REMARKS**

Claims 10, 46 and 56 have been amended. Claims 1-58 remain pending in the application. The applicant hereby requests further examination and reconsideration of the application in view of the foregoing amendments and following response.

***Claim Objections***

Claims 10, 46 and 56 stand objected based on informalities identified by the examiner. Applicant believes the informalities have been corrected; therefore, the applicant requests the examiner to withdraw the objection.

***Claim Rejections – 35 USC § 102***

Claims 1, 2, 4-6, 9, 15-16, 20-21, 24, 31-34, 37, 43-44, 48-49 and 52 stand rejected under 35 U.S.C. 102(e) as being anticipated by Levine et al. (6,058,328). Claim 1 recites a “T-wave analyzer, responsive to sensor, that evaluates cardiac risk based on comparison of the indication of T-wave alternans to predetermined criterion.” Applicant respectfully submits that Levine et al. teach a “P-wave” analyzer to analyze the heart at a time in the cardiac cycle that is just prior to the time when a spontaneous atrial depolarization, referred to herein as a ‘P-wave’, would otherwise occur.” col 3, lines 17-20. The applicant claims a “T-wave analyzer to analyze “T-wave alternans by reference to portions of the electrocardiogram incorporating the T-wave. . . .” It is submitted that Levine et al. do not teach the claimed invention; therefore, the applicant respectfully request the examiner to withdraw the rejection. Accordingly, the applicant believes that independent claims 1, 16, 31, and 44 are in condition for allowance along with the claim dependent thereon.

***Claim Rejections – 35 USC § 103***

Claims 19 and 47 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Levine et al. (6,058,328) in view of KenKnight (6,148,230). Since claims 19 and 47 are dependent upon claims now believed to be allowable as discussed above, applicant submits that claims 19 and 47 are also allowable.

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*Allowable Subject Matter*

Claims 3, 7-8, 10-14, 17-18, 22-23, 25-30, 35-36, 38-42, 45-46, 50-51 and 53-58 stand objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Since applicant believes the base claims are in condition for allowance, applicant submits that claims 3, 7-8, 10-14, 17-18, 22-23, 25-30, 35-36, 38-42, 45-46, 50-51 and 53-58 are also in condition for allowance.

In view of the above, it is submitted that all claims pending in the application are in condition for allowance. Accordingly, allowance of claims 1-58 is respectfully requested. Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with me concerning any subject matter of this application by electronic mail at the address below. I understand that a copy of these communications will be made of record in the application file. M.P.E.P. § 502.03.

Respectfully submitted,



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## PATENT RECORD SEARCH

Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	ADD NO	Pat No.
P10029.00	US		F		LW091		TFW	10/127,034 04/22/2002	
<hr/>									
Agent Ref. No:									
TITLE: PERCISE CARDIAC LEAD PLACEMENT BASED ON IMPEDANCE MEASUREMENTS									
INVENTORS: Smits, Karel F.A.A. Struble, Chester L.									
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P10157.00	US		F		LW091		TFW	10/127,037 04/22/2002	
<hr/>									
Agent Ref. No:									
TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS									
INVENTORS: Grandjean, Pierre A. Struble, Chester L.									
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P10183.00	US		F		LW091		TFW	09/897,291 06/29/2001	
<hr/>									
Agent Ref. No:									
TITLE: CATHETER SYSTEM HAVING DISPOSABLE BALLOON									
INVENTORS: Greco, Francesco Jorgensen, Kenneth Nielsen, Marianne Pedersen, Anders Kirstein Aundal, Knud									
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P10194.00	US		F		LW091		TFW	10/126,733 04/22/2002	
<hr/>									
Agent Ref. No:									
TITLE: ESTIMATION OF STROKE VOLUME AND CARDIAC OUTPUT USING AN INTRACARDIAL PRESSURE SENSOR									
INVENTORS: Muhlenberg, Lambert Struble, Chester L.									
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P10282.00	US		F		LW091		TFW	10/126,710 04/22/2002	
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Agent Ref. No:									
TITLE: CARDIAC OUTPUT MEASUREMENT USING DUAL OXYGEN SENSORS IN RIGHT AND LEFT VENTRICLES									
INVENTORS: Struble, Chester L. Muhlenberg, Lambert Grandjean, Pierre A.									
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P10283.00	US		F		LW091		TFW	10/126,816 04/22/2002	
<hr/>									
Agent Ref. No:									
TITLE: ORGANIZING DATA ACCORDING TO CARDIAC RHYTHM TYPE									
INVENTORS: Struble, Chester L. Muhlenberg, Lambert Grandjean, Pierre A.									
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P10321.00	US		F		LW091		TFW	10/127,038 04/22/2002	
<hr/>									
Agent Ref. No:									
TITLE: ATRIOVENTRICULAR DELAY ADJUSTMENT									
INVENTORS: Struble, Chester L. Muhlenberg, Lambert									
<hr/>									
P10344.00	US		F		LW091		TFW	10/126,638 04/22/2002	
<hr/>									
Agent Ref. No:									
TITLE: SEAMLESS COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE SYSTEM									
INVENTORS: Houben, Richard P M Donders, Adrienus P. (Jos)									
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P10346.00	US		L	F	LW091		TFW	60/331,543 11/19/2001	
<hr/>									
Agent Ref. No:									
TITLE: METHOD FOR NON-INVASIVE FETAL CARDIAC PACING									
INVENTORS: Eick, Olaf J. Miehaus, Michael Houben, Richard P M									

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## PATENT RECORD SEARCH

Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P10408.00	US		F		LW091		TPW	10/133,466 04/29/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: STIMULATION CONTROL FOR BRAIN STIMULATION</b> INVENTORS: Gielen, Frans L H									
<b>Agent Ref. No:</b>									
P10410.00	US		L	P	LW091		TPW	60/333,473 11/28/2001	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: METHOD TO SENSE A BRAIN SIGNAL CORRESPONDING TO PERCEPTION OF PAIN AND USE AS FEEDBACK TO CONTROL A BRAIN NEUROSTIMULATOR, DRUG INFUSION DEVICE, OR OTHER MEDICAL DEVICE</b> INVENTORS: Mullett, Keith R.									
P10410.00	US			F	LW091		TPW	10/132,508 04/26/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: BRAIN SIGNAL FEEDBACK FOR PAIN MANAGEMENT</b> INVENTORS: Mullett, Keith R.									
P10438.00	US			P	LW091		TPW	10/131,261 04/25/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: IMPLANTABLE ELECTROPORTION THERAPY DEVICE AND METHOD FOR USING SAME</b> INVENTORS: Perek-Petric, Bozidar									
P10489.00	US		L	P	LW091		TPW	60/336,728 12/07/2001	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: PRECORDIAL SUPERIOR VENA CAVA ELECTRODE ARRANGEMENT FOR AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR</b> INVENTORS: Smits, Karel F.A.A.									
P10498.00	US		L	F	LW091		TPW	60/375,080 04/25/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: PACEMAKER BLANKING BY MAGNETIC RESONANCE IMAGING (MRI) DEVICE</b> INVENTORS: Zeijlemaker, Volkert A									
P10499.00	US		L	F	LW091		TPW	60/375,076 04/25/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: MAGNETIC RESONANCE IMAGING (MRI) TRIGGERED BY THE IMPLANTING PACING SYSTEM</b> INVENTORS: Zeijlemaker, Volkert A									
P10500.00	US		L	F	LW091		TPW	60/375,077 04/25/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: TELEMETRY BLANKING FOR PACEMAKERS AND ICDs BY MAGNETIC RESONANCE IMAGING (MRI) DEVICES</b> INVENTORS: Zeijlemaker, Volkert A									
P10512.00	US		L	F	LW091		TPW	60/375,081 04/25/2002	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: EXTERNAL PUMP CONTROLLER</b> INVENTORS: Donders, Adrienus P. (Jos) Houben, Richard P M									
P4059.01	US			P	LW091		TPW	60/558,869 04/28/2000	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: METHOD AND APPARATUS FOR INHIBITING OR MINIMIZING CALCIFICATION OF AORTIC VALVES</b> INVENTORS: Sutton, Richard									
P4517.00	US			F	LW091		TPW	60/542,258 04/03/2000	
<b>Agent Ref. No:</b>									
Agent: <b>TITLE: DUAL CHAMBER PACING SYSTEM HAVING TIME-ADAPTIVE AV DELAY</b> INVENTORS: Struble, Chester L. Heynen, Henri G.									

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Docket No.	Ctry	Rel.	Rel.	#	Type	Status	Group	Div.	Attorney	APP No	Pat No.
P4566.00	US				P		LW091		TPW	09/721,881 11/27/2000	
<b>Agent Ref. No:</b>											
<b>TITLE: STENTS AND METHODS FOR PREPARING STENTS FROM WIRES HAVING HYDROGEL COATING LAYERS THEREON</b>											
<b>INVENTORS: Verhoeven, Michel Cahalan, Patrick T. Cahalan, Linda L. Larik, Vincent</b>											
P4782.03	US	C	01	M	F		LW091		TPW	09/494,531 01/31/2000	
<b>Agent Ref. No:</b>											
<b>TITLE: SYSTEM AND METHOD FOR RESPIRATION - MODULATED PACING</b>											
<b>INVENTORS: Renirie, Alexis C.M. Schouten, Vincent JA</b>											
P4971.04	US	C	01	M	F		LW091		TPW	09/433,567 11/04/1999	
<b>Agent Ref. No:</b>											
<b>TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT</b>											
<b>INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J.</b>											
P4971.05	US	D	02		F		LW091		TPW	09/551,216 04/17/2000	
<b>Agent Ref. No:</b>											
<b>TITLE: A SYSTEM FOR DELIVERING INSULIN</b>											
<b>INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J.</b>											
P4971.07	US	C	02		F		LW091		TPW	09/945,686 09/05/2001	
<b>Agent Ref. No:</b>											
<b>TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT</b>											
<b>INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J.</b>											
P7322.02	US	D	01		F		LW091		TPW	09/558,872 04/28/2000	
<b>Agent Ref. No:</b>											
<b>TITLE: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR</b>											
<b>INVENTORS: Renaud, Philippe Haller, Markus Amacker, Christian</b>											
P7322.04	US	C	01		F		LW091		TPW	09/712,237 11/15/2000	
<b>Agent Ref. No:</b>											
<b>TITLE: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR</b>											
<b>INVENTORS: Renaud, Philippe Haller, Markus Amacker, Christian</b>											
P7326.02	US	D	01	M	F		LW091		TPW	09/273,457 03/22/1999	
<b>Agent Ref. No:</b>											
<b>TITLE: MEDICAL ELECTRICAL LEAD</b>											
<b>INVENTORS: Woloszko, Jean Camps, Antoine N J M (Toine) Van Der Kruk, Ron</b>											
P7354.02	US	P	01	M	F		LW091		TPW	09/494,530 01/31/2000	
<b>Agent Ref. No:</b>											
<b>TITLE: SAFETY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE</b>											
<b>INVENTORS: Haller, Markus Weijand, Koen J.</b>											

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P7354.03	US	P	02	F		LW091		TFW	09/519,563 03/06/2000	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> DRIVE CIRCUIT HAVING IMPROVED ENERGY EFFICIENCY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION OR DELIVERY DEVICE <b>INVENTORS:</b> Haller, Markus Weijsland, Koen J.										
P7354.06	US	D	01	F		LW091		TFW	10/132,515 04/26/2002	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> SAFETY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE <b>INVENTORS:</b> Haller, Markus Weijsland, Koen J.										
P7354.07	US	D	02	F		LW091		TFW	10/132,514 04/26/2002	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> SAFETY VALVES ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE <b>INVENTORS:</b> Haller, Markus Weijsland, Koen J.										
P7438.06	US	P	01	F		LW091		TFW	09/871,657 06/04/2001	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> DEVICES, SYSTEMS AND METHODS FOR TRANSLUMINALLY AND CONTROLLABLY FORMING INTRAMYOCARDIAL CHANNELS IN CARDIAC TISSUE <b>INVENTORS:</b> Dietz, Ulrich Eick, Olaf J. Duysens, Victor Darius, Harold										
P7492.01	US	D	01	F		LW091		TFW	09/746,011 12/26/2000	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> LAMINA PROSTHESIS FOR DELIVERY OF MEDICAL TREATMENT <b>INVENTORS:</b> Gielan, Frans L H Knuth, Henricus M.										
P7492.02	US	D	02	F		LW091		TFW	09/746,021 12/26/2000	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> LAMINA PROSTHESIS FOR DELIVERY OF MEDICAL TREATMENT <b>INVENTORS:</b> Gielan, Frans L H Knuth, Henricus M.										
P7553.00	US			F		LW091		TFW	09/433,564 11/04/1999	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> BIOLOGICAL TISSUE ADHESIVES, ARTICLES, AND METHODS <b>INVENTORS:</b> Hendriks, Marc Verhoeven, Michel Cahalan, Patrick T. Larik, Vincent										
P7553.01	US	D	01	F		LW091		TFW	10/132,516 04/26/2002	
<b>Agent:</b> Agent Ref. No: <b>TITLE:</b> BIOLOGICAL TISSUE ADHESIVES, ARTICLES, AND METHODS <b>INVENTORS:</b> Hendriks, Marc Verhoeven, Michel Cahalan, Patrick T. Larik, Vincent										

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P7565.00	US			F	P	LW091		TFW	09/340,440 06/28/1999	
<b>Agent:</b> TITLE: IMPLANTABLE DEVICE INCLUDING A POLYAMINO ACID COMPONENT INVENTORS: Larik, Vincent Hendriks, Marc Cahalan, Patrick T. Verhoeven, Michel Cahalan, Linda L.										
<b>Agent Ref. No:</b>										
<b>P7640.08</b>										
US D 06 F LW091 TFW 09/946,498 09/06/2001										
<b>Agent:</b> TITLE: FOUR-CHAMBER PACING SYSTEM FOR OPTIMIZING CARDIAC OUTPUT AND DETERMINING HEART CONDITION INVENTORS: Leinders, Robert Bakels, Arnoldus P. DeRoos, Cobus										
<b>Agent Ref. No:</b>										
<b>P7718.00</b>										
US F LW091 TFW 09/449,936 11/29/1999										
<b>Agent:</b> TITLE: MEDICAL ELECTRICAL LEAD HAVING BENDING STIFFNESSES WHICH INCREASE IN THE DISTAL DIRECTION INVENTORS: Smits, Karel F.A.A.										
<b>Agent Ref. No:</b>										
<b>P7718.03</b>										
US D 01 F LW091 TFW 09/947,060 09/06/2001										
<b>Agent:</b> TITLE: MEDICAL ELECTRICAL LEAD HAVING BENDING STIFFNESSES WHICH INCREASE IN THE DISTAL DIRECTION INVENTORS: Smits, Karel F.A.A.										
<b>Agent Ref. No:</b>										
<b>P7853.01</b>										
US D 01 F LW091 TFW 09/832,925 04/12/2001										
<b>Agent:</b> TITLE: APPARATUS AND METHOD FOR MEASURING THE AMOUNT OF FLUID CONTAINED IN AN IMPLANTABLE MEDICAL DEVICE INVENTORS: Peer, Twan Bakels, Arnoldus P.										
<b>Agent Ref. No:</b>										
<b>P7856.02</b>										
US D 01 F LW091 TFW 09/799,709 03/07/2001										
<b>Agent:</b> TITLE: SYSTEM AND METHOD FOR OPTIMIZED BRAIN STIMULATION INVENTORS: Gielen, Frans L H										
<b>Agent Ref. No:</b>										
<b>P7902.00</b>										
US F LW091 TFW 09/340,441 06/28/1999										
<b>Agent:</b> TITLE: METHOD FOR COATING IMPLANTABLE DEVICES INVENTORS: Martinez, Gonzalo Taylor, John J Keeney, Kenneth W Haller, Markus										
<b>Agent Ref. No:</b>										
<b>P7946.00</b>										
US F LW091 TFW 09/779,535 02/09/2001										
<b>Agent:</b> TITLE: METHODS FOR MODIFYING SURFACES OF ARTICLES INVENTORS: Koullik, Edouard Cahalan, Patrick T Iwata, Hiroo										
<b>Agent Ref. No:</b>										
<b>P8027.00</b>										
US F LW091 TFW 09/348,506 07/07/1999										
<b>Agent:</b> TITLE: SYSTEM FOR REMOTE COMMUNICATION WITH A MEDICAL DEVICE INVENTORS: Ferek-Petric, Bozidar										

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Docket No.	Ctry	Rel. Rel. & Type	Status	Group	Div.	Attorney	APP No	Pat No-
P8032.00	US	F		LW091		TFW	09/842,404 04/26/2001	
<b>Agent:</b> <b>TITLE: DIAGNOSTIC FEATURES IN BI-atrial AND/OR BI-Ventricular PACING SYSTEMS</b> <b>INVENTORS: Struble, Chester L.</b>								
P8047.00	US	F		LW091		TFW	09/518,796 03/03/2000	
<b>Agent:</b> <b>TITLE: SYSTEM AND METHOD FOR MONITORING AND CONTROLLING THE GLYCEMIC STATE OF A PATIENT</b> <b>INVENTORS: Houben, Richard P M Larik, Vincent</b>								
P8131.00	US	F		LW091		TFW	09/558,867 04/28/2000	
<b>Agent:</b> <b>TITLE: CORONARY SINUS FLOW REGULATED PACING</b> <b>INVENTORS: Ferek-Petric, Bozidar</b>								
P8158.00	US	F		LW091		TPW	09/558,870 04/28/2000	
<b>Agent:</b> <b>TITLE: ISCHEMIC HEART DISEASE DETECTION</b> <b>INVENTORS: Ferek-Petric, Bozidar</b>								
P8158.02	US	D 01	F	LW091		TFW	10/085,072 03/01/2002	
<b>Agent:</b> <b>TITLE: ISCHEMIC HEART DISEASE DETECTION</b> <b>INVENTORS: Ferek-Petric, Bozidar</b>								
P8158.03	US	D 02	F	LW091		TFW	10/085,047 03/01/2002	
<b>Agent:</b> <b>TITLE: ISCHEMIC HEART DISEASE DETECTION</b> <b>INVENTORS: Ferek-Petric, Bozidar</b>								
P8191.00	US	F		LW091		TFW	09/843,914 04/30/2001	
<b>Agent:</b> <b>TITLE: METHODS FOR ADJUSTING CARDIAC DETECTION CRITERIA AND IMPLANTABLE MEDICAL DEVICES USING SAME</b> <b>INVENTORS: Ferek-Petric, Bozidar</b>								
P8240.00	US	F		LW091		TFW	09/779,536 02/09/2001	
<b>Agent:</b> <b>TITLE: HEPARIN COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME</b> <b>INVENTORS: Koullik, Edouard</b>								
P8278.00	US	F		LW091		TFW	09/842,879 04/27/2001	
<b>Agent:</b> Mueting, Raasch, Gebhardt <b>TITLE: CONTROL OF PACING RATE IN MODE SWITCHING IMPLANTABLE MEDICAL DEVICES</b> <b>INVENTORS: Struble, Chester L. Dunham, David</b>								
P8279.00	US	F		LW091		TFW	09/842,884 04/27/2001	
<b>Agent:</b> <b>TITLE: COMMITTED VENTRICULAR SAFETY PACING</b> <b>INVENTORS: Struble, Chester L.</b>								
P8382.00	US	F		LW091		TFW	09/842,233 04/26/2001	
<b>Agent:</b> <b>TITLE: HYSTERESIS ACTIVATION OF ACCELERATED PACING</b> <b>INVENTORS: Struble, Chester L. Grandjean, Pierre A.</b>								

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Docket No.	Ctry	Rel.	Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P8618.00	US			F		LW091		TFW	09/353,619 07/15/1999	
<b>Agent:</b> <b>TITLE: SYSTEM FOR PROVIDING MEDICAL ELECTRICAL STIMULATION</b> <b>INVENTORS: Holsheimer, Jan</b>										
<b>Agent Ref. No:</b>										
<b>P8553.00</b> US P 01 F LW091 TFW 09/519,562 03/06/2000										
<b>Agent:</b> <b>TITLE: MEDICAL ELECTRICAL LEAD WITH INTERCHANGEABLE FIXATION MEMBER</b> <b>INVENTORS: Camps, Antoine N J M (Toine) Duyssens, Victor Kretzters, Leonardus J. C. Gerber, Martin T.</b>										
<b>Agent Ref. No:</b>										
<b>P8553.01</b> US D 01 F LW091 TFW 10/132,513 04/26/2002										
<b>Agent:</b> <b>TITLE: METHOD OF IMPLANTING A MEDICAL ELECTRICAL LEAD</b> <b>INVENTORS: Camps, Antoine N J M (Toine) Duyssens, Victor Kretzters, Leonardus J. C. Gerber, Martin T.</b>										
<b>Agent Ref. No:</b>										
<b>P8564.00</b> US F LW091 TFW 10/131,417 04/25/2002										
<b>Agent:</b> <b>TITLE: VENTRICULAR SAFETY PACING IN BIVENTRICULAR PACING</b> <b>INVENTORS: Kramm, Berthold</b>										
<b>Agent Ref. No:</b>										
<b>P8572.00</b> US F LW091 TFW 10/004,848 12/04/2001										
<b>Agent:</b> <b>TITLE: PATIENT ACTIVATED ADMINISTRATION OF DRUG BOLUS FROM IMPLANTABLE DRUG DELIVERY SYSTEM</b> <b>INVENTORS: Haller, Markus</b>										
<b>Agent Ref. No:</b>										
<b>P8573.00</b> US F LW091 TFW 09/727,461 12/04/2000										
<b>Agent:</b> <b>TITLE: MEDICAL DEVICE AND METHODS OF USE</b> <b>INVENTORS: Hendriks, Marc</b>										
<b>Agent Ref. No:</b>										
<b>P8580.03</b> US D 01 F LW091 TFW 09/947,433 09/07/2001										
<b>Agent:</b> <b>TITLE: TEMPORARY MEDICAL ELECTRICAL LEAD HAVING BIODEGRADABLE ELECTRODE MOUNTING PAD LOADED WITH THERAPEUTIC DRUG</b> <b>INVENTORS: Lindemanns, Fredric W. Gebhardt, Ursula Hendriks, Marc</b>										
<b>Agent Ref. No:</b>										
<b>P8623.00</b> US F LW091 TFW 09/842,232 04/26/2001										
<b>Agent:</b> <b>TITLE: PVC RESPONSE-TRIGGERED BLANKING IN A CARDIAC PACING SYSTEM</b> <b>INVENTORS: Struble, Chester L.</b>										
<b>Agent Ref. No:</b>										
<b>P8722.00</b> US F LW091 TFW 09/779,537 02/09/2001										
<b>Agent:</b> <b>TITLE: ECHOGENIC DEVICES AND METHODS OF MAKING AND USING SUCH DEVICES</b> <b>INVENTORS: Roullik, Edouard</b>										
<b>Agent Ref. No:</b>										
<b>P8799.00</b> US F LW091 TFW 10/127,033 04/22/2002										
<b>Agent:</b> <b>TITLE: INSULIN-MEDICATED GLUCOSE UPTAKE MONITOR</b> <b>INVENTORS: Houben, Richard P M</b>										
<b>Agent Ref. No:</b>										

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Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P8892.00	US		F		LW091		TFW	09/727,462 12/04/2000	
<b>Agent:</b> Agent Ref. No:									
TITLE: IMPLANTABLE MEDICAL DEVICE TELEMETRY CONTROL SYSTEMS AND METHODS OF USE INVENTORS: Ferek-Petric, Bozidar									
P8936.00	US		F		LW091		TFW	10/132,510 04/26/2002	
<b>Agent:</b> Agent Ref. No: TITLE: CAPTURE MANAGEMENT IN MULTI-SITE PACING INVENTORS: Ferek-Petric, Bozidar									
P8937.00	US		F		LW091		TFW	10/126,604 04/22/2002	
<b>Agent:</b> Agent Ref. No: TITLE: DETECTING COAGULUM FORMATION INVENTORS: Bick, Olaf J.									
P8943.00	US		F		LW091		TFW	09/742,118 12/22/2000	
<b>Agent:</b> Agent Ref. No: TITLE: IMPLANTABLE MEDICAL DEVICE PROGRAMMING WANDS HAVING INTEGRAL INPUT DEVICE INVENTORS: Ferek-Petric, Bozidar									
P8946.00	US		F		LW091		TFW	10/132,320 04/26/2002	
<b>Agent:</b> Agent Ref. No: TITLE: ULTRASONIC SEPTUM MONITORING FOR IMPLANTABLE MEDICAL DEVICES INVENTORS: Houben, Richard P M Donders, Adrianus P. (Jos)									
P8975.00	US		F		LW091		TFW	09/449,934 11/29/1999	
<b>Agent:</b> Agent Ref. No: TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS INVENTORS: Smits, Karel F.A.A.									
P8975.03	US	D 01	F		LW091		TFW	09/947,065 09/05/2001	
<b>Agent:</b> Agent Ref. No: TITLE: MEDICAL ELECTRICAL LEAD HAVING VARIABLE BENDING STIFFNESS INVENTORS: Smits, Karel F.A.A.									
P9030.00	US		F		LW091		ERW	09/535,840 03/28/2000	
<b>Agent:</b> Agent Ref. No: TITLE: PANCREATIC SECRETION RESPONSE TO STIMULATION TEST PROTOCOL INVENTORS: Marchal, Benoit									
P9073.00	US		F		LW091		TFW	09/765,506 01/18/2001	
<b>Agent:</b> Agent Ref. No: TITLE: MINIATURIZED DRUG DELIVERY DEVICES SYSTEMS AND METHODS INVENTORS: Haller, Markus Clement, Claude									
P9085.00	US	P 01	F		LW091		TFW	09/765,484 01/18/2001	
<b>Agent:</b> Agent Ref. No: TITLE: SYSTEM AND METHOD OF COMMUNICATING BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM OR HEALTH CARE PROVIDER INVENTORS: Haller, Markus Donders, Adrianus P. (Jos) Ferek-Petric, Bozidar									
P9206.00	US		F		LW091		TFW	10/126,516 04/22/2002	
<b>Agent:</b> Agent Ref. No: TITLE: CARDIAC RESYNCHRONIZATION WITH ADAPTIVE A1-A2 AND OR V1-V2 INTERVALS INVENTORS: Struble, Chester L. Grandjean, Pierre A.									

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Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	App No	Pat No.
P9258.00	US		F		LW091		TFW	10/132,509 04/26/2002	
<b>Agent:</b> <b>TITLE: ABLATION METHOD AND MEDICAL APPARATUS USING SAME</b> <b>INVENTORS: Ferek-Petric, Bozidar</b>									
<b>Agent Ref. No:</b>									
<b>P9416.00 US P 01 F LW091 TFW 09/764,700 01/18/2001</b>									
<b>Agent:</b> <b>TITLE: SYSTEM AND METHOD FOR EMERGENCY COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM OF HEALTH CARE PROVIDER</b> <b>INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)</b>									
<b>Agent Ref. No:</b>									
<b>P9417.00 US P 01 F LW091 TFW 09/765,218 01/18/2001</b>									
<b>Agent:</b> <b>TITLE: SYSTEM AND METHOD OF AUTOMATED INVOICING FOR COMMUNICATIONS BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM FOR HEALTH PROVIDER</b> <b>INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)</b>									
<b>Agent Ref. No:</b>									
<b>P9418.00 US P 01 F LW091 TFW 09/764,681 01/18/2001</b>									
<b>Agent:</b> <b>TITLE: SYSTEM AND METHOD FOR REMOTE PROGRAMMING OF AN IMPLANTABLE MEDICAL DEVICE</b> <b>INVENTORS: Haller, Markus Ferek-Petric, Bozidar Donders, Adrianus P. (Jos)</b>									
<b>Agent Ref. No:</b>									
<b>P9436.00 US F LW091 TFW 09/842,147 04/26/2001</b>									
<b>Agent:</b> <b>TITLE: PRESSURE- MODULATED RATE-RESPONSIVE CARDIAC PACING</b> <b>INVENTORS: Struble, Chester L.</b>									
<b>Agent Ref. No:</b>									
<b>P9437.00 US F LW091 TFW 10/126,538 04/22/2002</b>									
<b>Agent:</b> <b>TITLE: IMPLANTABLE DRUG DELIVERY SYSTEM RESPONSIVE TO INTRA-CARDIAC PRESSURE</b> <b>INVENTORS: Struble, Chester L.</b>									
<b>Agent Ref. No:</b>									
<b>P9440.00 US F LW091 TFW 09/842,148 04/26/2001</b>									
<b>Agent:</b> <b>TITLE: DRUG DELIVERY FOR TREATMENT OF CARDIAC ARRHYTHMIA</b> <b>INVENTORS: Struble, Chester L.</b>									
<b>Agent Ref. No:</b>									
<b>P9463.00 US F LW091 TFW 10/126,858 04/22/2002</b>									
<b>Agent:</b> <b>TITLE: PRESSURE-MODULATED ENERGY LEVEL FOR PACING PULSES</b> <b>INVENTORS: Struble, Chester L.</b>									
<b>Agent Ref. No:</b>									
<b>P9464.00 US F LW091 TFW 10/126,539 04/22/2002</b>									
<b>Agent:</b> <b>TITLE: CARDIAC RESTRAINT WITH ELECTRODE ATTACHMENT SITES</b> <b>INVENTORS: Struble, Chester L. Grandjean, Pierre A. Zeijlemaker, Volkert A. Smits, Karol F.A.</b>									
<b>Agent Ref. No:</b>									

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Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	APP NO	Pat No.
P9473.00	US		F		LW091		TFW	09/879,282 06/12/2001	
<b>Agent:</b> <b>TITLE: DEEP TRENCH SEMICONDUCTOR CAPACITORS HAVING REVERSE BIAS DIODES FOR IMPLANTABLE MEDICAL DEVICES</b>									
<b>INVENTORS: Houben, Richard P M Weijand, Koen J.</b>									
P9475.00	US		F		LW091		TFW	10/001,148 11/15/2001	
<b>Agent:</b> <b>TITLE: MYOCARDIAL PERFORMANCE ASSESSMENT</b>									
<b>INVENTORS: Gorbucci, Giorgio</b>									
P9491.00	US		F		LW091		TFW	09/842,813 04/27/2001	
<b>Agent:</b> <b>TITLE: CLOSED LOOP NEUROMODULATION FOR SUPPRESSION OF EPILEPTIC ACTIVITY</b>									
<b>INVENTORS: Wadman, Wytske Gielen, Frans L H</b>									
P9511.00	US		F		LW091		TFW	10/126,537 04/22/2002	
<b>Agent:</b> <b>TITLE: BURR HOLE ASSEMBLY FOR STEREOTACTIC FIXATION OF A BRAIN PROBE</b>									
<b>INVENTORS: Gielen, Frans L H Cornu, Philippe</b>									
P9557.00	US		F		LW091		TFW	09/909,999 07/23/2001	
<b>Agent:</b> <b>TITLE: CELL- BASED BIOSENSORS SUITABLE FOR IMPLANTABLE MEDICAL DEVICE APPLICATIONS</b>									
<b>INVENTORS: Houben, Richard P M Larik, Vincent</b>									
P9648.00	US		F		LW091		TFW	10/126,522 04/22/2002	
<b>Agent:</b> <b>TITLE: ANTI-TACHYCARDIA PACING BASED ON MULTI-SITE ELECTROGRAMS</b>									
<b>INVENTORS: Struble, Chester L.</b>									
P9711.00	US		L F		LW091		TFW	60/371,543 04/11/2002	
<b>Agent:</b> <b>TITLE: METHOD AND APPARATUS FOR AUTOMATIC SHUTDOWN OF HIGH FREQUENCY DELIVERY UPON CATHETER DISLOCATION</b>									
<b>INVENTORS: Eick, Olaf J. Feron, John C.M.J.</b>									
P9774.00	US		L F		LW091		TFW	60/333,762 11/29/2001	
<b>Agent:</b> <b>TITLE: TRANS-SEPTAL MEDICAL ELECTRICAL LEADS AND METHODS OF STIMULATING A HEART</b>									
<b>INVENTORS: Struble, Chester L. Prinzen, Frits W. Smits, Karel F.A.A. Muhlenberg, Lambert Grandjean, Pierre A. Michels, Koen Lokhoff, Nicolaas M.</b>									
P9781.00	US		F		LW091		TFW	10/008,773 12/05/2001	
<b>Agent:</b> <b>TITLE: DIRECTIONAL BRAIN STIMULATION AND RECORDING LEADS</b>									
<b>INVENTORS: Van Venkooij, Paulus Gielen, Frans L H Mullett, Keith R. Duysens, Victor Gruia, Dan</b>									

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Docket No.	Ctry	Rel. Rel. #	Type	Status	Group	Div.	Attorney	APP NO	Pat No.
P9897.00	US		F		LW091		TPW	10/131,256 04/25/2002	

Agent:  
TITLE: ULTRASOUND METHODS AND IMPLANTABLE MEDICAL DEVICES USING SAME  
INVENTORS: Perek-Petric, Bozidar  
Breyer, Branko

P9929.00	US	F		LW091	TPW	10/127,041 04/22/2002
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Agent:  
TITLE: ANTI-SLIP LEADS FOR PLACEMENT WITHIN TISSUE  
INVENTORS: Struble, Chester L.  
Grandjean, Pierre A.  
Smits, Karel F.A.A.

98 TOTAL RECORDS REPORTED